Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/30/2021 10:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124101	-1	3.92	124027	3.85
Blue	F	SSC	125000	124237	-1	4.46	124823	4.31
Blue	E	FITC	14284	13734	-4	4.62	383	14.38
Blue	D	PE	23919	23159	-4	4.34	549	11.58
Blue	B	PerCP-Cy5-5	31332	30637	-3	4.89	873	16.04
Blue	A	PE-Cy7	22272	21879	-2	6.72	453	31.80
Red	C	APC	47768	47188	-2	2.89	1627	11.82
Red	A	APC-Cy7	25313	24669	-3	3.30	695	12.90
Violet	B	V450	7085	6809	-4	4.12	474	11.76
Violet	A	V500	26969	26033	-4	3.80	890	8.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23322	5.08	588	-1	N/A	N/A	Pass
Blue	F	SSC	55109	4.03	525	4	N/A	N/A	Pass
Blue	E	FITC	58	54.24	496	-5	0.0404	42	Pass
Blue	D	PE	107	41.51	493	-4	0.3993	357	Pass
Blue	B	PerCP-Cy5-5	136	43.70	584	-4	0.0180	64	Pass
Blue	A	PE-Cy7	74	85.53	631	-4	0.0213	8	Pass
Red	C	APC	334	27.35	582	2	0.0268	222	Pass
Red	A	APC-Cy7	129	36.71	556	1	0.0058	1453	Pass
Violet	B	V450	80	45.76	459	-4	0.0478	1643	Pass
Violet	A	V500	105	32.17	470	-4	0.0228	825	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.48	-31.29	0.99
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	13.77	13.60 - 20.40	N/A	N/A	29.66	29.93	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 13260

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments